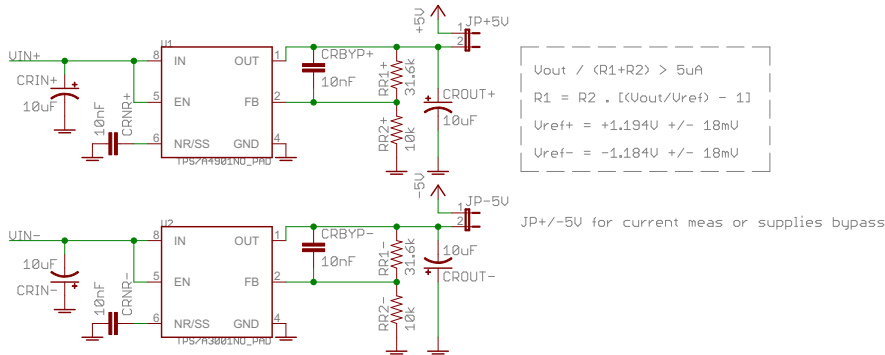
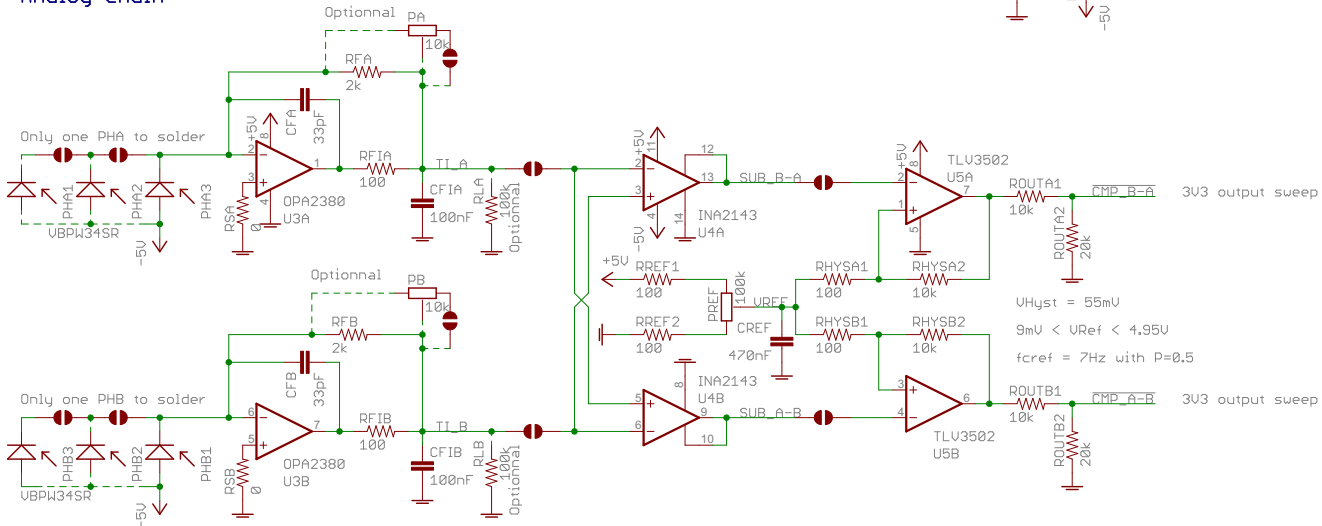


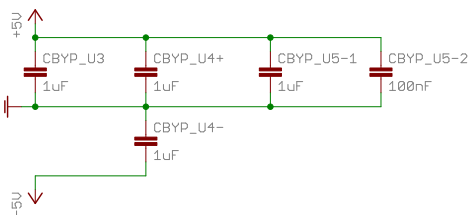
## Low-Noise power regulation



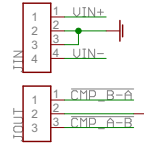
## Analog chain



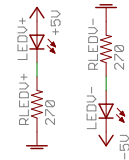
## Bypass capacitors



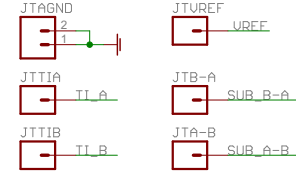
## Connectors



## LEDs



## Testpoints



$$\begin{aligned} V_{ref} &= 5V \cdot [R_{REF1} + P \cdot P_{REF}] / (R_{REF1} + R_{REF2} + P_{REF}) \\ 0 &< P < 1 \\ V_{Hyst} &= (V_+ \cdot R_{HYS1}) / (R_{HYS1} + R_{HYS2}) + 6mV \\ f_{cref} &\sim 1/[2 \cdot \pi \cdot (P \cdot P_{REF}) \cdot C_{REF}] \end{aligned}$$

IGrebot 2013

Beacon V3.0

PhotoDaughter Board

Title: Rolab_PDD_prot	
Version: 1.0	
07/08/2012 20:04:54	
Drawn By: Paul M.	1/1